| Ref<br># | Hits   | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|--------|--|---|---------------------|---------|------------------|
| L4       | 172858 | "438"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/07/08 15:32 |
| L5       | 73     | I4 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/07/08 15:34 |
| L6       |        | 438/5,7,10,11,14,16-18,22-24,29,<br>31,34-36,128-130,149,484,538   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/07/08 15:34 |
| L7       | 13934  | 438/5,7,10,11,14,16-18,22-24,29,<br>31,34-36,128-130,149,484,538.<br>ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/07/08 15:34 |
| L8       | 9      | I7 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/07/08 15:34 |
| S1       | 166167 | "438"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/07/06 11:53 |
| S2       | 111    | S1 and ((optical near emission\$2) or OES) and RF and perturbat\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/07/06 12:51 |
| S3       | 12     | S2 and (evaluat\$3 or test\$3) same chamber\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/07/06 12:00 |

| S4  | 0      | 438/!.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 11:59 |
|-----|--------|--|---|----|----|------------------|
| S5  | 172649 | "438"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 11:59 |
| S6  | 29     | S5 and ((optical near emission\$2) or OES) and RF and perturbat\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 12:18 |
| S7  | 5      | S6 and (evaluat\$3 or test\$3) same chamber\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 12:04 |
| S8  | 13     | S6 and (evaluat\$3 or test\$3) and chamber\$2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 12:08 |
| S9  | 11     | S6 and ((evaluat\$3 or test\$3 or analysi\$4) same (OES or RF)) and chamber\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 17:37 |
| S10 | 1      | S6 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 12:13 |
| S11 | 4      | S2 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 12:34 |

| 0:5 |      | CF - 1//   | 110 000:15  | 00 | 01: | 2005/07/06 12 15 |
|-----|------|--|---|----|-----|------------------|
| S12 | 31   | S5 and ((optical near emission\$2) or OES) and (RF or (radio near frequency)) and perturbat\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 12:18 |
| S13 | 1    | S12 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 12:37 |
| S14 | 1259 | ((evaluat\$3 or test\$3 or analysi\$4)<br>same OES) and chamber\$2 and<br>((evaluat\$3 or test\$3 or analysi\$4)<br>same RF)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 17:36 |
| S15 | 73   | S5 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/08 15:32 |
| S16 | 1    | S5 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF) and perturbat\$4 and chamber\$2 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 12:41 |
| S17 | 1    | S5 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF) and perturbat\$4                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 12:42 |
| S18 | 73   | S5 and ((evaluat\$3 or test\$3 or analysi\$4) same OES) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF) and chamber\$2                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 12:42 |
| S19 | 73   | S5 and ((evaluat\$3 or test\$3 or analysi\$4) same oes) and chamber\$2 and ((evaluat\$3 or test\$3 or analysi\$4) same RF)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 12:50 |

|     |    |   | <del></del> ,   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S20 | 1  | S19 and ((optical near<br>emission\$2) or OES) and RF and<br>perturbat\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 12:51 |
| S21 | 73 | S19 and ((optical near emission\$2) or OES) and RF                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 15:30 |
| S22 | 6  | S19 and (optical near emission\$2) and radio near frequency               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 16:52 |
| S23 | 3  | (US-20050019964-\$).did. or<br>(US-6420194-\$ or US-5986747-\$).<br>did.  | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/06 16:43 |
| S24 | 3  | S23 and (optical near emission\$2) and radio near frequency               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 14:20 |
| S25 | 3  | S24 and oes and rf  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 14:23 |
| S26 | 3  | S25 and (test\$2 or analysis or analyzation or analyze or evaluat\$4)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:32 |
| S27 | 1  | S26 and matrix\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:46 |
| S28 | 2  | S23 and data  | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/06 15:24 |

| S29 | 2  | S28 and (test\$2 or analysis or analyzation or analyze or evaluat\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/07/06 15:32 |
|-----|----|--|---|------|----|------------------|
| S30 | 3  | S23 and (amplify or amplifying or wavelength or frequency)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/07/06 15:56 |
| S31 | 3  | S23 and (calibrat\$4 or change or adjust\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/07/06 16:33 |
| S32 | 3. | S23 and (calibrat\$4 or change or adjust\$4 or fualt\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2005/07/06 16:33 |
| S33 | 4  | (US-20050019964-\$).did. or<br>(US-6420194-\$ or US-5986747-\$<br>or US-6021215-\$).did.                         | US-PGPUB;<br>USPAT  | OR   | ON | 2005/07/06 17:08 |
| 534 | 4  | S33 and (calibrat\$4 or change or adjust\$4 or fualt\$3)   | US-PGPUB;<br>USPAT  | OR   | ON | 2005/07/06 16:47 |
| S35 | 5  | S22 and compar\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/07/06 16:52 |
| S36 | 5  | (US-20050019964-\$ or<br>US-20050019961-\$).did. or<br>(US-6864109-\$ or US-6420194-\$<br>or US-5986747-\$).did. | US-PGPUB;<br>USPAT  | OR   | ON | 2005/07/06 16:52 |
| S37 | 5  | S36 and compar\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/07/06 16:52 |
| S38 | 4  | S33 and plasma same (oes or rf or reflect\$4 or temperature\$2)  | US-PGPUB;<br>USPAT  | OR   | ON | 2005/07/06 17:15 |
| S39 | 3  | S33 and reflect\$4   | US-PGPUB;<br>USPAT  | OR   | ON | 2005/07/06 17:15 |

| S40 | 24 | S6 and compar\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 17:38 |
|-----|----|---|---|----|-----|------------------|
| S41 | 24 | (US-20050130447-\$ or US-20050130446-\$ or US-2005019961-\$ or US-20040110388-\$ or US-20040101990-\$ or US-20030064422-\$ or US-20030064422-\$ or US-20030047752-\$ or US-20020160363-\$ or US-20020142620-\$ or US-20020020053-\$).did. or (US-6908846-\$ or US-6897157-\$ or US-6689284-\$ or US-6583068-\$ or US-6379994-\$ or US-5709745-\$ or US-5350709-\$ or US-5196359-\$ or US-4713192-\$ or US-4746622-\$ or US-4713192-\$ or US-4508931-\$ or US-4479847-\$).did. | US-PGPUB;<br>USPAT  | OR | ON. | 2005/07/06 17:38 |
| S42 | 24 | S40 and compar\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 17:39 |
| S43 | 24 | S41 and compar\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/06 17:47 |

|     |    | <b>(1)</b>                                   |           |    |     |                  |
|-----|----|--|-----------|----|-----|------------------|
| S44 | 73 | (US-20050140026-\$ or                        | US-PGPUB; | OR | ON  | 2005/07/06 17:46 |
|     |    | US-20050124151-\$ or                         | USPAT;    |    |     |                  |
|     |    | US-20050101154-\$ or                         | USOCR     |    |     |                  |
|     |    | US-20050026431-\$ or                         |           |    |     |                  |
|     |    | US-20050019964-\$ or                         |           |    |     |                  |
|     |    | US-20050019961-\$ or                         |           |    |     |                  |
|     |    | US-20040235202-\$ or                         |           |    |     |                  |
| İ   |    | US-20040166673-\$ or                         |           |    |     |                  |
|     | 1. | US-20040115839-\$ or                         |           |    |     |                  |
| İ   |    | US-20040101993-\$ or                         |           |    |     |                  |
|     |    | US-20030170945-\$ or                         |           |    |     |                  |
|     |    | US-20030157774-\$ or                         |           |    |     |                  |
|     |    | US-20030068846-\$ or                         |           |    |     |                  |
|     |    | US-20030064556-\$ or                         |           |    |     |                  |
|     |    | US-20030049886-\$ or                         | •         |    |     |                  |
|     |    | US-20030030144-\$ or                         |           |    |     |                  |
|     |    | US-20030030144-5 07                          |           |    |     |                  |
|     |    | US-20020173107-5 07<br>US-20020132380-\$ or  |           |    |     |                  |
|     |    | US-20020132380-\$ or<br>US-20020055259-\$ or |           |    | İ   |                  |
|     |    | •  | *         |    |     |                  |
|     |    | US-20010055852-\$).did. or                   |           |    |     |                  |
|     |    | (US-6902939-\$ or US-6881609-\$              |           |    |     |                  |
|     |    | or US-6880561-\$ or US-6872323-\$            |           |    | ٠ . |                  |
|     |    | or US-6864109-\$ or US-6821571-\$            |           |    |     |                  |
|     |    | or US-6730537-\$ or US-6714833-\$            |           |    |     | ,                |
|     |    | or US-6696700-\$ or US-6667248-\$            |           |    |     |                  |
|     |    | or US-6624462-\$ or US-6511922-\$            |           |    |     | ,                |
|     |    | or US-6499492-\$ or US-6461974-\$            |           |    |     |                  |
|     | 1  | or US-6455437-\$ or US-6444542-\$            |           |    |     |                  |
|     | 1  | or US-6420194-\$ or US-6403462-\$            |           |    |     |                  |
|     |    | or US-6395092-\$ or US-6387712-\$            |           |    |     |                  |
|     |    | or US-6368975-\$ or US-6329294-\$            |           | ļ  |     |                  |
|     |    | or US-6303518-\$ or US-6303503-\$            |           | ļ  |     | •                |
|     |    | or US-6289843-\$ or                          |           |    |     |                  |
|     |    | US-6211035-\$).did. or                       |           |    |     |                  |
|     |    | (US-6156665-\$ or US-6153115-\$              |           |    |     |                  |
|     |    | or US-6121163-\$ or US-6077764-\$            |           |    |     |                  |
|     |    | or US-5986747-\$ or US-5942447-\$            |           |    |     |                  |
|     |    | or US-5670421-\$ or US-5661093-\$            |           |    |     |                  |
|     |    | or US-5563092-\$ or US-5563075-\$            |           |    |     |                  |
|     |    | or US-5498768-\$ or US-5429995-\$            |           |    |     |                  |
|     |    | or US-5370767-\$ or US-5283207-\$            |           |    |     | ,                |
|     |    | or US-5182424-\$ or US-5155567-\$            |           |    |     |                  |
|     |    | or US-5041311-\$ or US-4963501-\$            |           |    |     |                  |
|     |    | or US-4866006-\$ or US-4599243-\$            |           |    |     |                  |
|     |    | or US-4493855-\$ or                          |           |    |     |                  |
|     |    | US-4344223-\$).did. or                       |           |    |     |                  |
|     |    | (US-T944004-\$ or US-3706597-\$              |           |    |     |                  |
|     |    | i i  |           | 1  |     |                  |
|     |    | or US-3515576-\$ or US-3396059-\$            |           |    |     |                  |
|     |    | or US-2942328-\$).did.                       |           |    |     |                  |
| S45 | 59 | S44 and compar\$5                            | US-PGPUB; | OR | ON  | 2005/07/06 17:47 |
| i   |    |  | USPAT;    |    |     |                  |
|     |    | ·  | USOCR;    |    | 1   |                  |
| 1   |    |  | EPO; JPO; |    |     |                  |
|     |    |  | DERWENT;  |    |     |                  |
|     |    |  | IBM_TDB   |    | 1   |                  |
|     |    |  | -51 -155  |    | L   |                  |